



Association of American
State Geologists



UTAH GEOLOGICAL SURVEY
a division of
UTAH DEPARTMENT OF
NATURAL RESOURCES
STATE OF UTAH

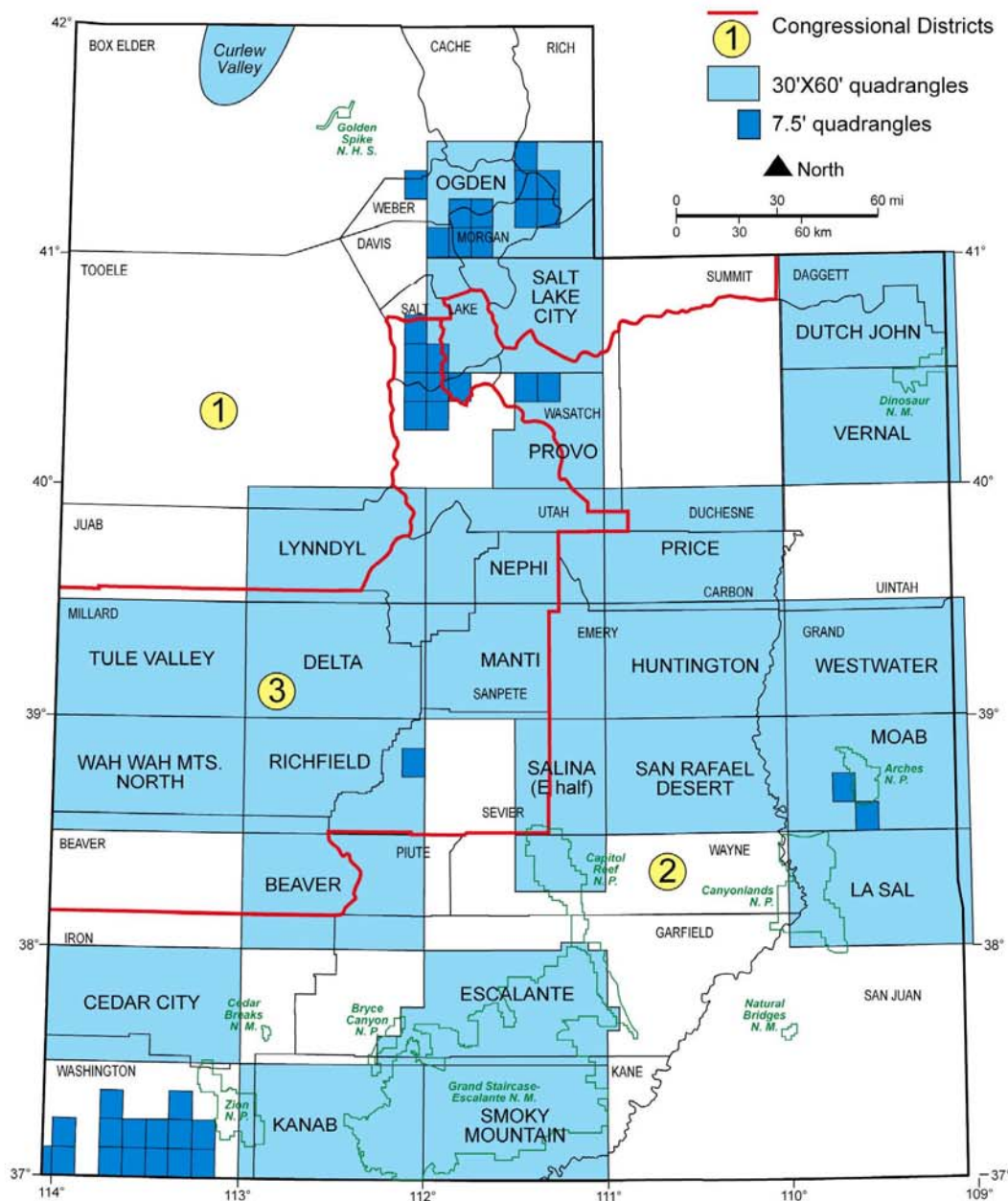
United States
Geological Survey



National Cooperative Geologic Mapping Program

STATEMAP Component: States compete for federal matching funds for geologic mapping

UTAH 1993-2004



Contact information

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SUMMARY OF STATEMAP GEOLOGIC MAPPING PROGRAM IN UTAH

| Fed Fiscal Year | Project Title (Quadrangle) 30'x60' quadrangles = 1:100,000 scale 7.5' quadrangles = 1:24,000 scale (county listed) | State Dollars | Federal Dollars | Total Project Dollars |
|--------------------------------|--|--------------------------|----------------------------|----------------------------------|
| 93 | 7.5' - Richfield (Sevier), Midvale (Salt Lake) | \$30,000 | \$30,000 | \$60,000 |
| 94 | 7.5' - St. George and Washington Washington), Moab (Grand) | \$38,000 | \$38,000 | \$76,000 |
| 95 | 7.5' - Santa Clara (Washington), Merrimac Butte (Grand) | \$30,000 | \$30,000 | \$60,000 |
| 96 | 30'x60' - Ogden (pt 1), Smoky Mountain 7.5' - White Hills and Harrisburg Junction (Washington) | \$125,000 | \$125,000 | \$250,000 |
| 97 | 30'x60' - Ogden (pt 2), Escalante, Kanab, SE part of Panguitch 7.5' - Hurricane and Washington Dome (Washington) | \$130,102 | \$130,102 | \$260,204 |
| 98 | 30'x60' - Ogden (pt 3), Delta, Moab, La Sal 7.5' - Horse Ridge, Dairy Ridge, Lost Creek Dam, Francis Canyon, and Peck Canyon (Morgan, Rich); The Divide (Washington); Center Creek (Wasatch) | \$149,044 | \$149,044 | \$298,088 |
| 99 | 30'x60' - Dutch John (pt 1), Provo (pt 1), Wah Wah Mountains North 7.5' - Pintura (Washington) | \$130,000 | \$130,000 | \$260,000 |
| 00 | 30'x60' - Dutch John (pt 2), Nephi, Tule Valley, Richfield, San Rafael D. (pt 1) 7.5' - Snow Basin (Weber, Morgan) | \$124,590 | \$124,590 | \$249,180 |
| 01 | 30'x60' - Dutch John (pt 3), San Rafael Desert (pt 2), Provo (pt 2) 7.5' - Cedar Fort and Saratoga Springs (Utah), Veyo (Washington) | \$146,763 | \$146,763 | \$293,526 |
| 02 | 30'x60' - Vernal (pt 1), Salina half (pt 1), Provo (pt 3), Cedar City, Manti, Price 7.5' - Lehi and Jordan Narrows (Utah), Little Creek Mountain (Washington) | \$206,774 | \$206,774 | \$413,547 |
| 03 | 30'x60' - Vernal (pt 2), Salina east half (pt 2), Beaver (pt 1), Provo (pt 4), Curlew Valley, Huntington, Westwater 7.5' - Magna and Copperton (Salt Lake), Tickville Spring (Salt Lake and Utah), Virgin (Washington), Morgan and Peterson (Morgan) | \$291,417 | \$291,417 | \$582,834 |
| 04 | 30'x60' - Vernal (pt 3), Loa NE qtr (pt 1), Beaver (pt 2), Provo (pt 5), Lynndyl 7.5' - Charleston (Wasatch), Kaysville (Davis), Plain City (Weber), Durst Mountain (Weber, Morgan), West Mountain Peak, Castle Cliff, and Terry Benches (Washington) | \$274,923 | \$274,923 | \$549,846 |
| TOTALS | | \$1,686,614 | \$1,686,614 | \$3,373,228 |

Cooperative funding through the STATEMAP component of the National Cooperative Geologic Mapping Program has enabled the Utah Geological Survey to work on twenty-six 30'x60' and thirty-two 7.5' quadrangle geologic maps since 1993. This work has entailed original geologic mapping and digital compilation of previous mapping. Local, state, and federal land management agencies have used these new maps to address a variety of issues, including ground-water location and protection, geologic hazards evaluation, resource protection and development, education, and tourism.

For example, geologic maps of the St. George basin provided the foundation for a detailed study of the abundant geologic hazards that cause problems for construction in the rapidly growing area. The 30'x60' quadrangles in southern Utah formed the basis for evaluating geologic issues in the management plan of Grand Staircase-Escalante National Monument. New mapping in the Ogden 30'x60' quadrangle produced a major revision in the interpretation of the subsurface geology in the oil and gas fields area of northeastern Utah, resulting in more accurate exploration strategies. Mapping in several national and state recreation areas has led to new geologic interpretations and tourist information.

Jan 2004